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| AMENDMENT TRANSMITTAL LETTER   |   |   |                                   |                       |       | Docket No.<br>80250(302741) |                  |
|--|---|---|-----------------------------------|-----------------------|-------|-----------------------------|------------------|
| Application No.<br>10/573,888-Conf. #9923  |   | Filing Date<br>November 13, 2006        |                                   | Examiner<br>H. Q. Lam |       |                             | Art Unit<br>2883 |
| Applicant(s): Hiroyuki Tsuda   |   |   |                                   |                       |       |                             |                  |
| OPTICAL FUNCTIONAL WAVEGUIDE, OPTICAL MODULATOR, ARRAYED WAVEGUIDE GRATING, AND DISPERSION COMPENSATION CIRCUIT                                  |   |   |                                   |                       |       |                             |                  |
| TO THE COMMISSIONER FOR PATENTS  |   |   |                                   |                       |       |                             |                  |
| Transmitted herewith is an amendment in the above-identified application.  The fee has been calculated and is transmitted as shown below.        |   |   |                                   |                       |       |                             |                  |
| CLAIMS AS AMENDED  |   |   |                                   |                       |       |                             |                  |
|  | Claims<br>Remaining<br>After<br>Amendment | Highest<br>Number<br>Previously<br>Paid | Number<br>Extra Claims<br>Present | Rate                  |       |                             |                  |
| Total Claims   | 8   | - 20 =                                  | 0                                 |                       | 52.00 |                             | 0.00             |
| Independent<br>Claims  | 2   | - 3 =                                   | 0                                 | x 2:                  | 20.00 |                             | 0.00             |
| Multiple Dependent Claims (check if applicable)  |   |   |                                   |                       |       |                             |                  |
| Other fee (please specify):  |   |   |                                   |                       |       |                             |                  |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:   |   |   |                                   |                       |       |                             | 0.00             |
| x Large Entity Small Entity  |   |   |                                   |                       |       |                             |                  |
| x No additional fee is required for this amendment.  |   |   |                                   |                       |       |                             |                  |
| Please charge Deposit Account No in the amount of \$   |   |   |                                   |                       |       |                             |                  |
| A check in the amount of \$ to cover the filing fee is enclosed.   |   |   |                                   |                       |       |                             |                  |
| Payment by credit card. Form PTO-2038 is attached.   |   |   |                                   |                       |       |                             |                  |
| The Director is hereby authorized to charge and credit Deposit Account No04-1105 as described below. A duplicate copy of this sheet is enclosed. |   |   |                                   |                       |       |                             |                  |
| x Credit any overpayment.  |   |   |                                   |                       |       |                             |                  |
| x Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.   |   |   |                                   |                       |       |                             |                  |
| William L. Brooks Dated: February 23, 2010   |   |   |                                   |                       |       |                             | 23, 2010         |
| William L. Brooks<br>Attorney/Agent Reg. No.: 34,129   |   |   |                                   |                       |       |                             |                  |
| EDWARDS ANGELL PALMER & DODGE LLP P.O. Box 55874 Boston, Massachusetts 02205 (202) 478-7376  |   |   |                                   |                       |       |                             |                  |
| CUSTOMER NO.: 21874  |   |   |                                   |                       |       |                             |                  |
|  |   |   |                                   |                       |       |                             |                  |
|  |   |   |                                   |                       |       |                             |                  |
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